



US005761301A

United States Patent [19]

Oshima et al.

[11] Patent Number: 5,761,301

[45] Date of Patent: Jun. 2, 1998

[54] MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

[75] Inventors: Mitsuaki Oshima, Kyoto; Yoshiho Gotoh, Osaka, both of Japan

[73] Assignee: Matsushita Electric Industrial Co., Ltd., Osaka, Japan

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Primary Examiner—David C. Cain
Attorney, Agent, or Firm—Ratner & Prestia

[57] ABSTRACT

An object of the present invention is to provide a marking forming apparatus, a method of forming a laser marking on an optical disk, a reproduction apparatus, an optical disk, and a method of manufacturing an optical disk, capable of providing a greatly improved copy prevention capability as compared to prior known construction. To achieve this object, in the optical disk of the invention, for example, a marking is formed by a laser on a reflective film of a disk holding data written thereon and at least position information of the marking or information concerning the position information is written on the disk in an encrypted form or with a digital signature appended thereto.

27 Claims, 43 Drawing Sheets

[21] Appl. No.: 560,015

[22] Filed: Nov. 17, 1995

[30] Foreign Application Priority Data

Nov. 17, 1994	[JP]	Japan	6-283415
Feb. 2, 1995	[JP]	Japan	7-016153
Oct. 9, 1995	[JP]	Japan	7-261247

[51] Int. Cl.⁶ H04K 1/00

[52] U.S. Cl. 380/4; 369/272; 235/494

[58] Field of Search 380/4; 369/272; 369/273, 286, 292, 52; 235/494

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